



FIG. 5

The diagram illustrates a digital display circuit. Key components and their connections are as follows:

- Power Supply:** A 1.5V battery is connected to a 3.3V regulator (U3) and a 5V regulator (U4). The 5V regulator is connected to a 100nF capacitor (C1) and a 100nF capacitor (C2).
- Microcontroller (U1, 620):** The microcontroller is connected to a 10K pull-up resistor (R1) and a 100nF capacitor (C3). It controls the display through a series of resistors (R1-R16).
- Display (U2, 622):** A 7-segment display connected to the microcontroller through resistors R1-R16.
- Other Components:** The circuit includes a 100nF capacitor (C4), a 100nF capacitor (C5), a 100nF capacitor (C6), a 100nF capacitor (C7), a 100nF capacitor (C8), a 100nF capacitor (C9), a 100nF capacitor (C10), a 100nF capacitor (C11), a 100nF capacitor (C12), a 100nF capacitor (C13), a 100nF capacitor (C14), a 100nF capacitor (C15), a 100nF capacitor (C16), a 100nF capacitor (C17), a 100nF capacitor (C18), a 100nF capacitor (C19), a 100nF capacitor (C20), a 100nF capacitor (C21), a 100nF capacitor (C22), a 100nF capacitor (C23), a 100nF capacitor (C24), a 100nF capacitor (C25), a 100nF capacitor (C26), a 100nF capacitor (C27), a 100nF capacitor (C28), a 100nF capacitor (C29), a 100nF capacitor (C30), a 100nF capacitor (C31), a 100nF capacitor (C32), a 100nF capacitor (C33), a 100nF capacitor (C34), a 100nF capacitor (C35), a 100nF capacitor (C36), a 100nF capacitor (C37), a 100nF capacitor (C38), a 100nF capacitor (C39), a 100nF capacitor (C40), a 100nF capacitor (C41), a 100nF capacitor (C42), a 100nF capacitor (C43), a 100nF capacitor (C44), a 100nF capacitor (C45), a 100nF capacitor (C46), a 100nF capacitor (C47), a 100nF capacitor (C48), a 100nF capacitor (C49), a 100nF capacitor (C50), a 100nF capacitor (C51), a 100nF capacitor (C52), a 100nF capacitor (C53), a 100nF capacitor (C54), a 100nF capacitor (C55), a 100nF capacitor (C56), a 100nF capacitor (C57), a 100nF capacitor (C58), a 100nF capacitor (C59), a 100nF capacitor (C60), a 100nF capacitor (C61), a 100nF capacitor (C62), a 100nF capacitor (C63), a 100nF capacitor (C64), a 100nF capacitor (C65), a 100nF capacitor (C66), a 100nF capacitor (C67), a 100nF capacitor (C68), a 100nF capacitor (C69), a 100nF capacitor (C70), a 100nF capacitor (C71), a 100nF capacitor (C72), a 100nF capacitor (C73), a 100nF capacitor (C74), a 100nF capacitor (C75), a 100nF capacitor (C76), a 100nF capacitor (C77), a 100nF capacitor (C78), a 100nF capacitor (C79), a 100nF capacitor (C80), a 100nF capacitor (C81), a 100nF capacitor (C82), a 100nF capacitor (C83), a 100nF capacitor (C84), a 100nF capacitor (C85), a 100nF capacitor (C86), a 100nF capacitor (C87), a 100nF capacitor (C88), a 100nF capacitor (C89), a 100nF capacitor (C90), a 100nF capacitor (C91), a 100nF capacitor (C92), a 100nF capacitor (C93), a 100nF capacitor (C94), a 100nF capacitor (C95), a 100nF capacitor (C96), a 100nF capacitor (C97), a 100nF capacitor (C98), a 100nF capacitor (C99), a 100nF capacitor (C100).

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